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| Form PTO-1390 OFFICE | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK | ATTORNEY'S DOCKET NUMBER GC819-2-US/B U.S. APPLICATION NO. (If known, see 37 CFR 1.5) [Unassigned] 10/576331 |
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 | | | |
| INTERNATIONAL APPLICATION NO. PCT/US2004/039066 | INTERNATIONAL FILING DATE 19 November 2004 (19.11.2004) | PRIORITY DATE CLAIMED 19 November 2003 (19.11.2003) | |
| TITLE OF THE INVENTION Serine Proteases, Nucleic Acids Encoding Serine Enzymes and Vectors and Host Cells Incorporating Same | | | |
| APPLICANT(S) FOR DOE/EO/US JONES, Brian Edward, Gravin Juliana van Stolberglaan 24, NL-2263 VA Leidschendam, The Netherlands KOLKMAN, Marc, Linnaeushof 25, NL-2341 PA Oegstgeest, The Netherlands LEEFLANG, Chris, Granaathorst 345, NL-2592 SZ The Hague, The Netherlands OH, Hiroshi, 8541 Meadow Bluff Court, Cincinnati, OH 45249, U.S.A. POULOSE, Ayrookaran J., 2848 Wakefield Drive, Belmont 5, CA 94002, U.S.A. SADLOWSKI, Eugene S., 9980 Pebbleknoll Drive, Cincinnati, OH 45252, U.S.A. SHAW, Andrew, 2560 Hyde Street, San Francisco, CA 94109, U.S.A. VAN DER KLEIJ, Wilhelmus A. H., Laan van Wateringeveld 1418, NL-2671 DG, The Hague, The Netherlands VAN MARREWIK, Leo, Willem Paaphove 20, 2726 BS Zoetermeer, The Netherlands | | | |
| Applicant herewith submits to the United States Designated/Elected Office (do/eo/us) the following items and other information: | | | |
| 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(l). 4. <input type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> has been transmitted by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> have been transmitted by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made 8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor/s (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). | | | |

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| U.S. APPLICATION NO. (if known, see 37 CFR 1.5) Unassigned 62/276331 | INTERNATIONAL APPLICATION NO. PCT/US2004/039066 | ATTORNEY'S DOCKET NUMBER GC819-2-US/B |
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Items 11 to 20 below concern document/s or information included:

- 11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
- 12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included
- 13. ☐ A preliminary amendment.
- 14. ☐ An Application Data Sheet under 37 CFR 1.76
- 15. ☐ A substitute specification.
- 16. ☐ A change of power of attorney and/or change of address letter.
- 17. ☐ A computer-readable form of the sequence listing according to PCT Rule 13ter.2 and 37 CFR.1.621-1.825
- 18. ☐ A second copy of the published international Application under 35 USC 154(4)(4)
- 19. ☐ A second copy of the English language translation of the Int'l Appln. under 35 USC 154(4)(4)
- 20. ☐ Other items of information:

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| <i>The following fees are submitted:</i> | | | CALCULATIONS | PTO USE ONLY |
|--|---|----------------------------|--------------|--------------|
| 21. | <input checked="" type="checkbox"/> Basic National Fee | \$ 300 | \$300 | |
| 22. | <input checked="" type="checkbox"/> Examination fee If International Prelim Examination Report prepared by USPTO and all claims satisfy provision of PCT Article 33(1)-(4), examination fee will be waived All other situations | \$ 200 | \$200 | |
| 23. | <input checked="" type="checkbox"/> Search fee <input type="checkbox"/> Search fee has been paid on the International Application To the USPTO as an International Searching Authority <input checked="" type="checkbox"/> International Search Report prepared and provided To the Office <input type="checkbox"/> All other situations | \$ 100 \$ 400 \$ 500 | \$400 \$ | |
| TOTAL of 21. 22 and 23 | | | \$900 | |

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|---|--------------|---|------------|------------------------|----|
| <input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding seq listing or computer program listing). The fee is \$250 for each additional 50 sheets of paper or Fraction thereof | | | | | |
| Total sheets | Extra Sheets | Number of each additional 50 or fraction thereof (round up to whole number) | Rate | | |
| 355 - 100 = | 255/50 = | 6 X | \$250 | \$1,500 | |
| Surcharge of \$130 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(4)). | | | | \$ | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | |
| Total Claims | 109 | - 20 = 89 | x \$ 50.00 | \$4,450 | |
| Independent claims | 12 | - 3 = 9 | x \$200.00 | \$1,800 | |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | + \$360.00 | \$ 360 | |
| SUBTOTAL = | | | | \$8,110 | |
| Processing fee of \$130 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)). | | | | \$ | |
| TOTAL NATIONAL FEE = | | | | \$ | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property | | | | \$ | |
| TOTAL FEES ENCLOSED = | | | | \$9,010 | |
| | | | | Amount to be refunded: | \$ |
| | | | | charged: | \$ |

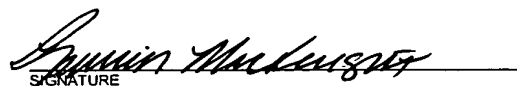
- a. ☐ A check in the amount of \$_____ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. **07-1048** in the amount of \$9,010.00 to cover the above fees. A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. **07-1048**. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

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SIGNATURE

Kamrin T. MacKnight
(printed name)

Registration Number: **38,230**

10/576331

10/576331 18 APR 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE UNITED STATES DESIGNATED/ELECTED OFFICE

In re Patent Application of

Jones et al.

US Serial No. [Unassigned]

Based on PCT/US2004/039066, filed 19.11.2004

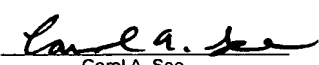
For: **Serine Proteases, Nucleic Acids
Encoding Serine Enzymes and Vectors
And Host Cells Incorporating Same**

**TRANSMITTAL
OF PATENT APPLICATION
UNDER 35 USC 371**

EV514828365US

I hereby certify that this paper and attachments are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on April 18, 2006 and is addressed to the **Mail Stop PCT**, Commissioner of Patents, PO Box 1450, Alexandria, VA. 22313-1450

By:


Carol A. See

Mail Stop PCT

Honorable Commissioner of Patents
PO Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Attached, for entering the national phase of International Patent Application PCT/US2004/039066, are the following documents:

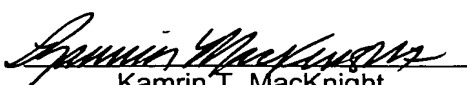
1. Form PTO 1390 - Transmittal Letter to the US DO/EO/US Concerning a Filing under 35 USC 371;
2. International Patent Publication WO 2005/052146, and
3. International Search Report with Written Opinion.

Respectfully submitted,

GENENCOR INTERNATIONAL, INC.

Date: April 18, 2006

By:


Kamrin T. MacKnight
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